

<b>DECLARATION/POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)	<b>Attorney Docket Number</b>	18126
	<b>First Named Inventor</b>	David Bengtson et al.
	<b>COMPLETE IF KNOWN</b>	
	Application Number	
	Filing Date	Herewith
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**COMPENSATING FOR LOAD PULL IN ELECTROMAGNETIC SIGNAL  
PROPAGATION USING ADAPTIVE IMPEDANCE MATCHING**

the specification of which

☒ is attached hereto

OR

☐ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_ or PCT International Application Number \_\_\_\_\_ and was amended on (MM/DD/YYYY) \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designed at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Priority Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

## DECLARATION – Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number or ☒ Correspondence address below

Name **Driscoll A. Nina, Jr., Esquire**

Address **Tyco Technology Resources**

Address **4550 New Linden Hill Road—Suite 140**

City **Wilmington**

State **DE**

Zip **19808-2952**

Country **US**

Telephone **(302) 633 3566**

Fax **(302) 633 2776**

### POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Driscoll A. Nina, Jr.	Registration No. 34685
Robert J. Kapalka	Registration No. 34198
Michael J. Aronoff	Registration No. 37770
Salvatore Anastasi	Registration No. 39090
T. Daniel Christenbury	Registration No. 31750
Paul A. Taufer	Registration No. 35703
Frank A. Cona	Registration No. 38412
Darius C. Gambino	Registration No. 41472
James E. Bauersmith	Registration No. 50533

[x] I hereby appoint the practitioner(s) associated with Customer Number 035811 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

[ ] Attached, as part of this Declaration and Power of Attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

### DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

☐ A petition has been filed for this unsigned inventor

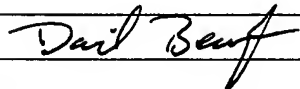
Given Name (first and middle [if any])

David

Family Name or Surname

Bengtson

Inventor's Signature



Date

12/1/03

Residence/City: Easton

State PA

Country US

Citizenship US

Mailing Address: 115 Sutton Rd.

Mailing Address:

City Easton

State PA

Zip 18045

Country US

<b>NAME OF SECOND INVENTOR:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Dale Scott		Family Name or Surname Douglas	
Inventor's Signature <i>Dale S. Douglas</i>		Date	
Residence/City: Jersey City	State NJ	Country US	Citizenship US
Mailing Address: 35 Wayne St., Apt. B			
Mailing Address:			
City: Jersey City	State NJ	Zip 07302	Country US
<b>NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence/City:	State	Country	Citizenship
Mailing Address:			
Mailing Address:			
City:	State	Zip	Country
<b>NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence/City:	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country
<b>NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence/City:	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

[ ] Additional inventors are being named on the \_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

ASSIGNMENT

We, David Bengtson and Dale Scott Douglas, who reside at 115 Sutton Rd., Easton, PA 18045 and 35 Wayne St., Apt. B, Jersey City, NJ 07302, respectively, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

COMPENSATING FOR LOAD PULL IN ELECTROMAGNETIC  
SIGNAL PROPAGATION USING ADAPTIVE IMPEDANCE MATCHING

which application was executed by the inventor on the date of execution of this assignment, and is identified by Attorney Docket Number 18126 and M/A-COM, Inc. whose address is 1011 Pawtucket Boulevard, Lowell, MA 01854 and which, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all

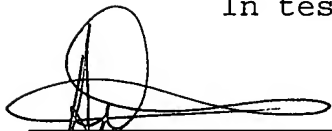
other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us or our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signatures, hereinbelow.

In testimony whereof we have affixed our signatures.



(Witness)

12/1/03  
(Date)

David Bengtson  
David Bengtson

12/1/03  
(Date)



(Witness)

12/1/03  
(Date)

Dale S. Douglas  
Dale Scott Douglas

12/1/03  
(Date)